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Earthquake Shaking — Green Alert

GSN
ANSS

USAID
FROM THE AMERICAN PEOPLE

M 6.6, 48 km WNW of Plis, Cyprus

Origin Time: 2022-01-11 01:07:47 UTC (Tue 03:07:47 local)
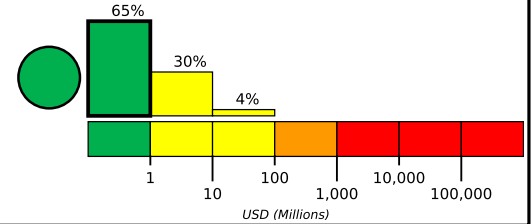Location: 35.1456° N 31.9095° E Depth: 19.6 km

PAGER
Version 4

Created: 2 hours, 5 minutes after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

65%
30%
4%

1   10   100   1,000   10,000   100,000
Fatalities
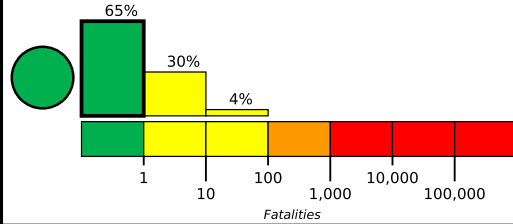
Estimated Economic Losses

65%
30%
4%

1   10   100   1,000   10,000   100,000
USD (Millions)

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	3,862k*	3,385k	75k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

0	5	50	100	500	1000	5000	10000
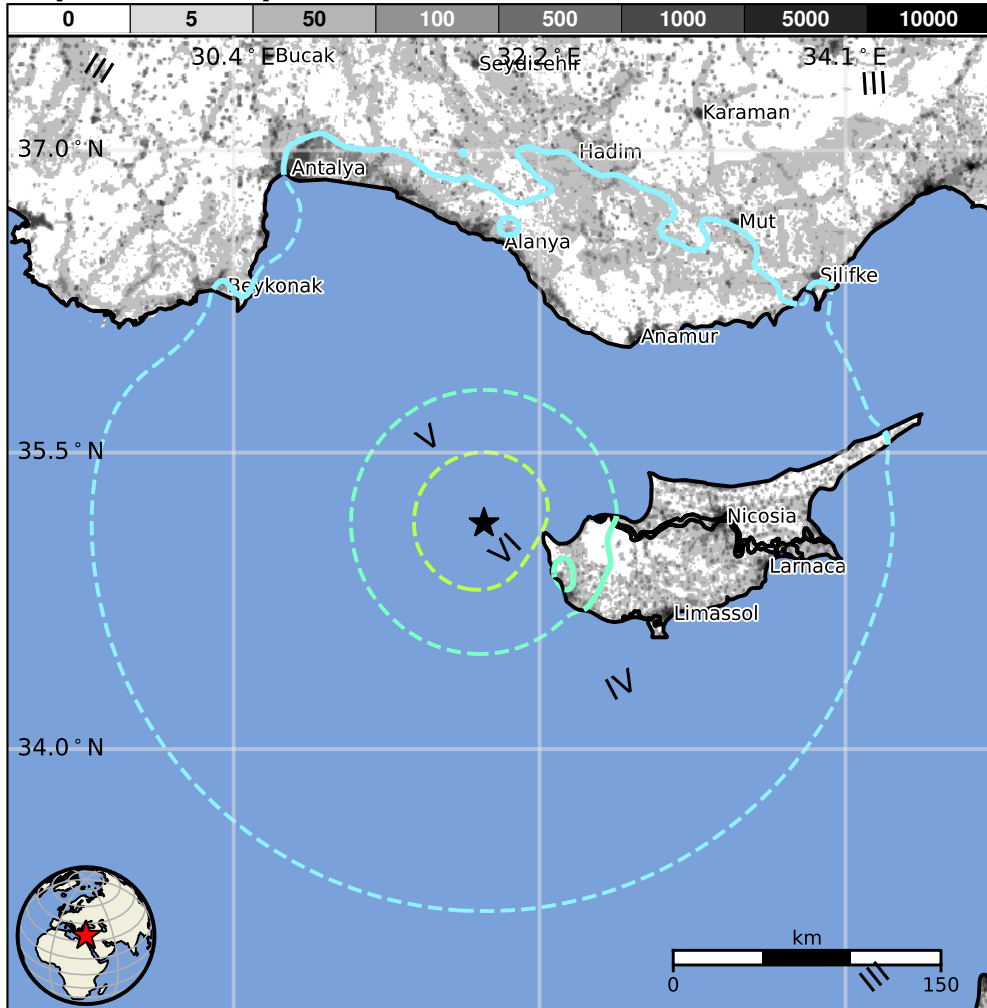
Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1996-10-09	68	6.8	VII(29k)	1
1995-02-23	33	5.9	VII(2k)	2
1998-06-27	363	6.3	VIII(19k)	145

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Polis	2k
V	Kato Pyrgos	1k
V	Paphos	36k
V	Chlorakas	4k
V	Empa	5k
V	Mesogi	1k
IV	**Limassol**	**154k**
IV	**Nicosia**	**200k**
IV	**Antalya**	**758k**
III	Mercin	538k
III	Haifa	267k

bold cities appear on map.   (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage.
Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/us7000gaqu#pager

Event ID: us7000gaqu